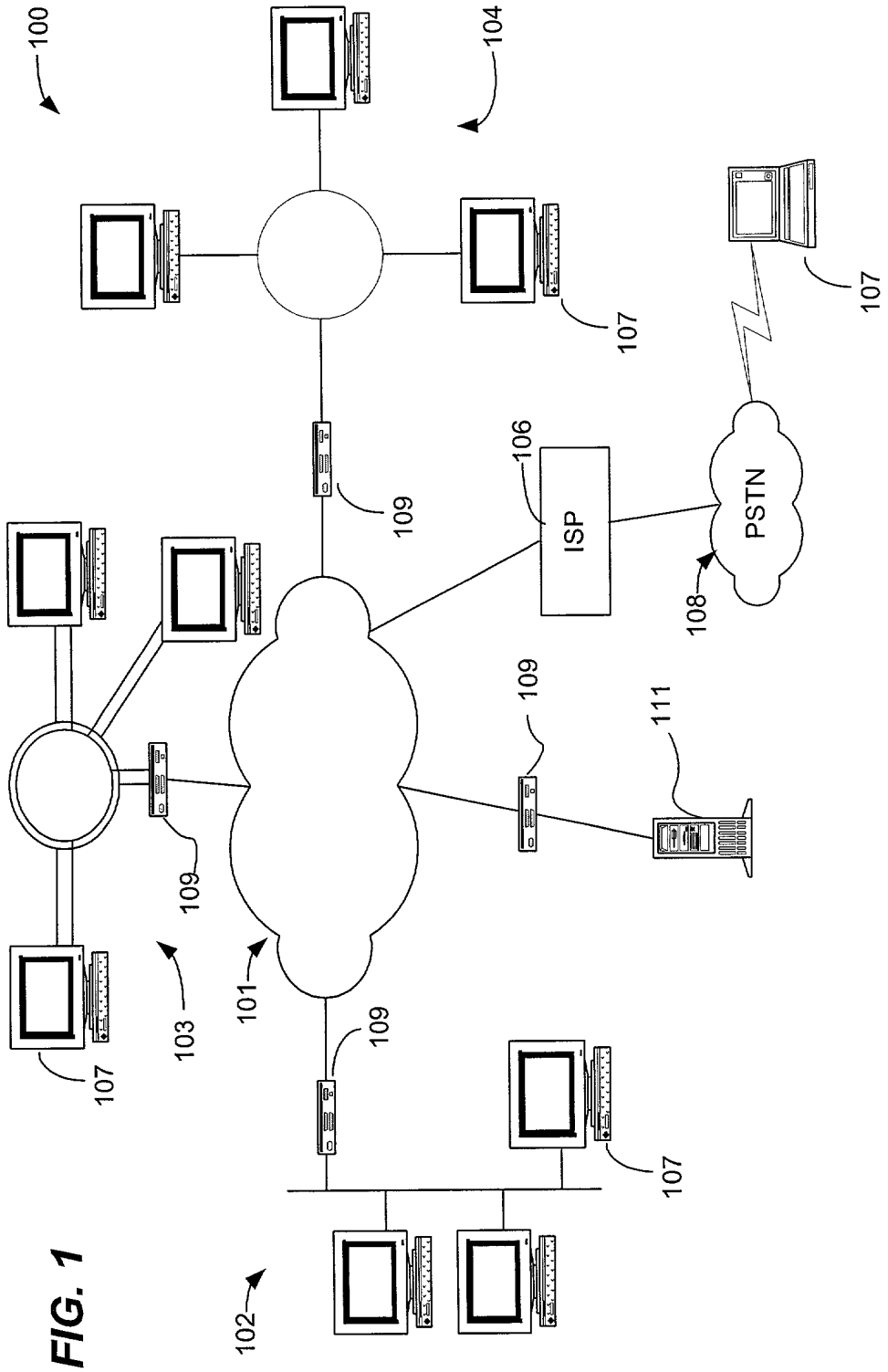

FIG. 1

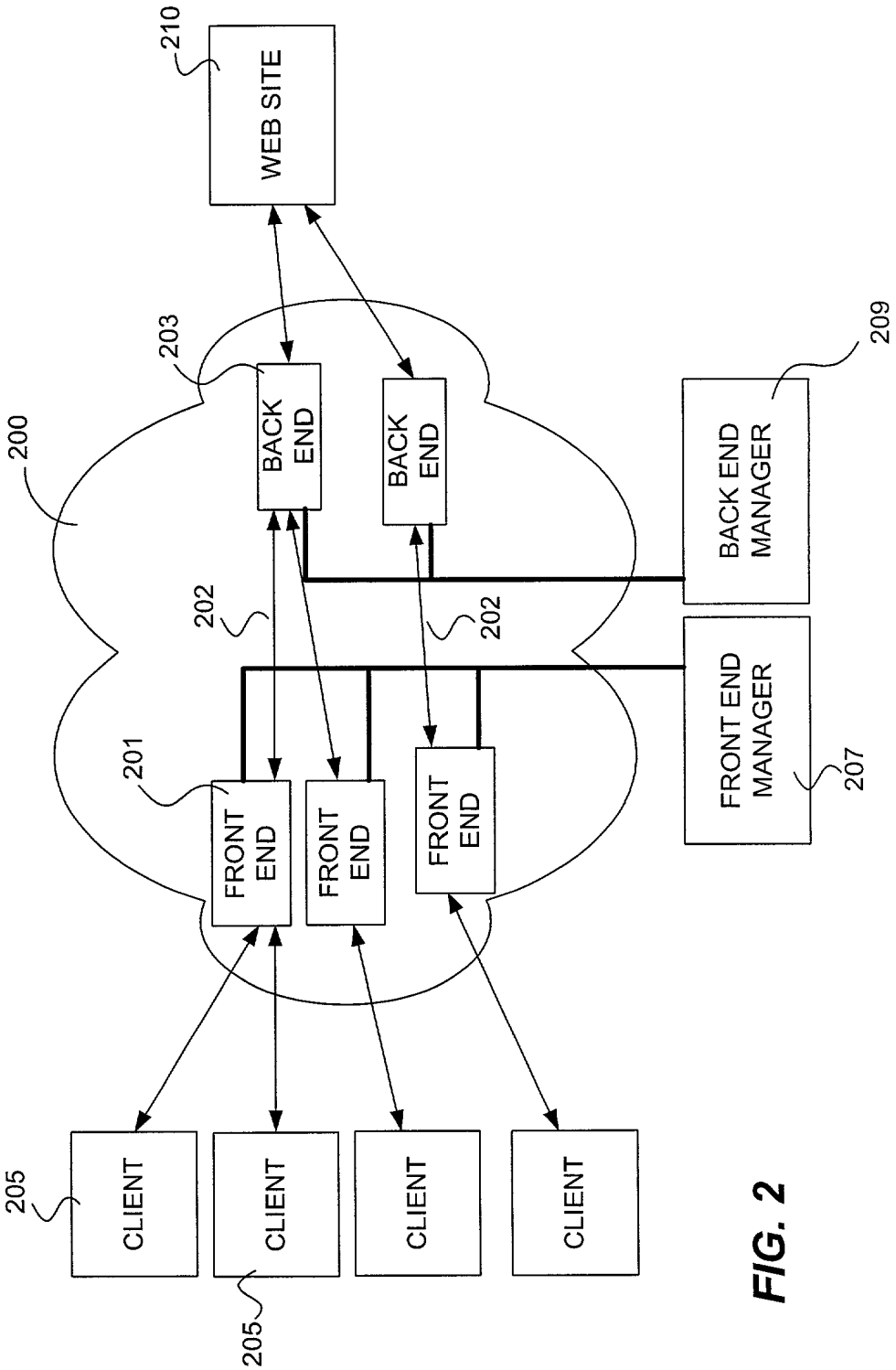
210
WEB SITE
203
200
BACK END
BACK END
209
BACK END MANAGER
202
202
201
FRONT END
FRONT END
FRONT END
FRONT END MANAGER
207
205
CLIENT
CLIENT
CLIENT
CLIENT
205

FIG. 2

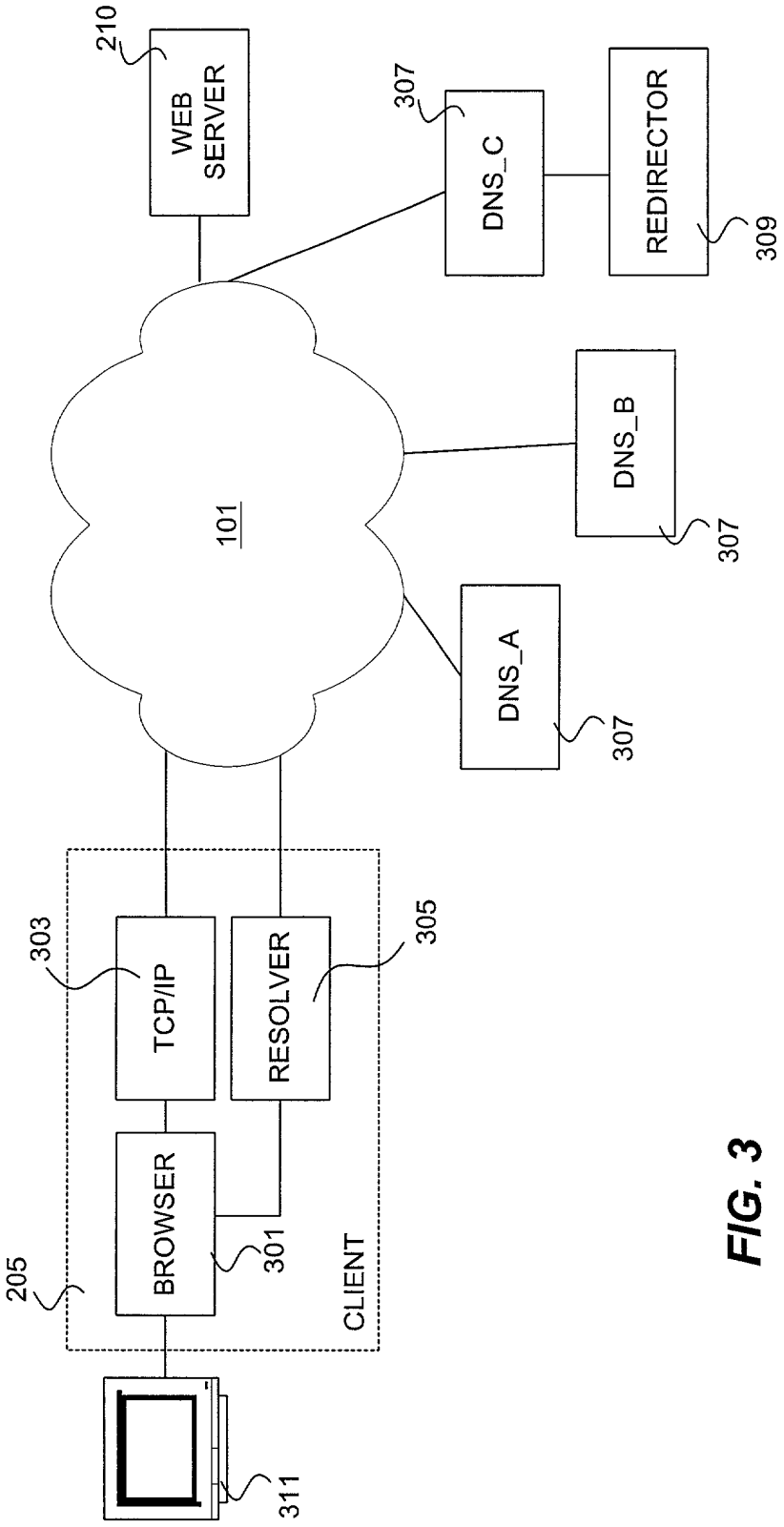
210
WEB SERVER
307
DNS_C
REDIRECTOR
309
101
DNS_B
307
DNS_A
307
303
TCP/IP
RESOLVER
305
BROWSER
301
205
CLIENT
311

FIG. 3

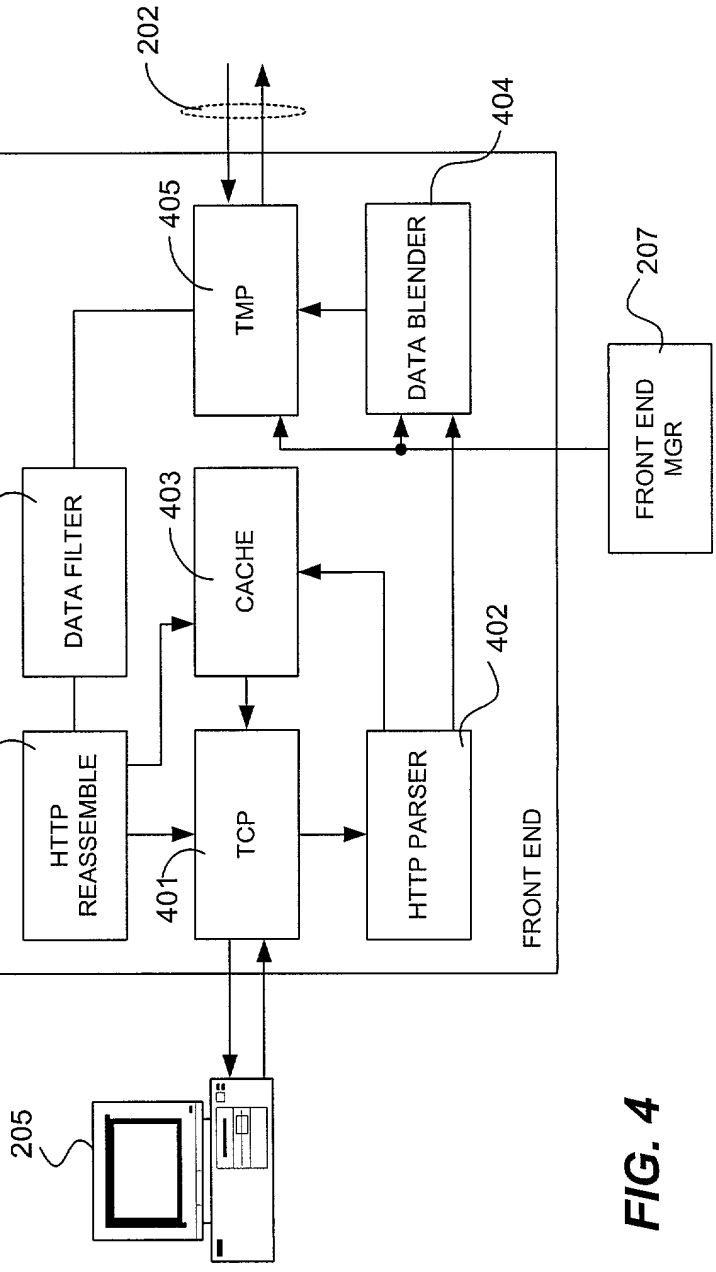
202
201
404
405
TMP
DATA BLENDER
207
406
DATA FILTER
403
CACHE
FRONT END MGR
407
HTTP REASSEMBLE
TCP
HTTP PARSER
402
401
FRONT END
205

FIG. 4

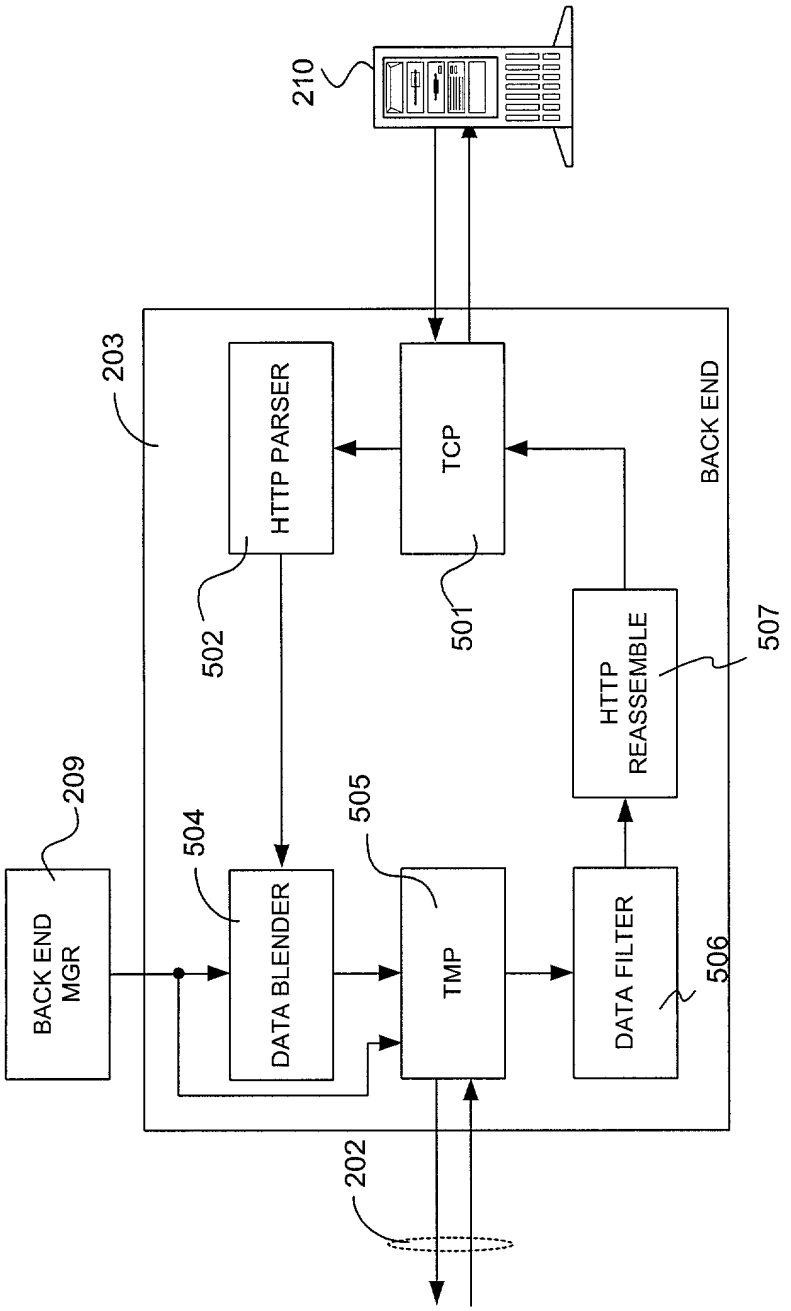
210
203
HTTP PARSER
TCP
BACK END
502
501
HTTP
REASSEMBLE
507
209
504
505
BACK END
MGR
DATA BLENDER
TMP
DATA FILTER
506
202

FIG. 5

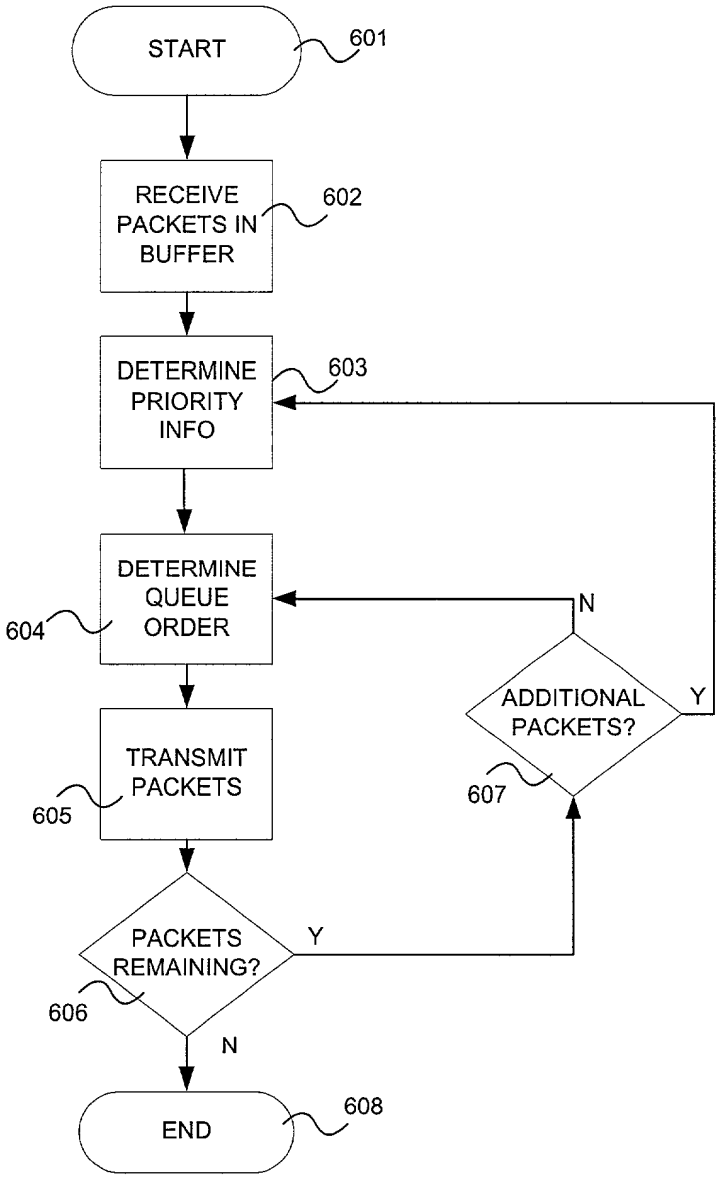
START
601
RECEIVE PACKETS IN BUFFER
602
DETERMINE PRIORITY INFO
603
DETERMINE QUEUE ORDER
604
TRANSMIT PACKETS
605
PACKETS REMAINING?
606
Y
N
ADDITIONAL PACKETS?
607
Y
N
END
608

FIG. 6

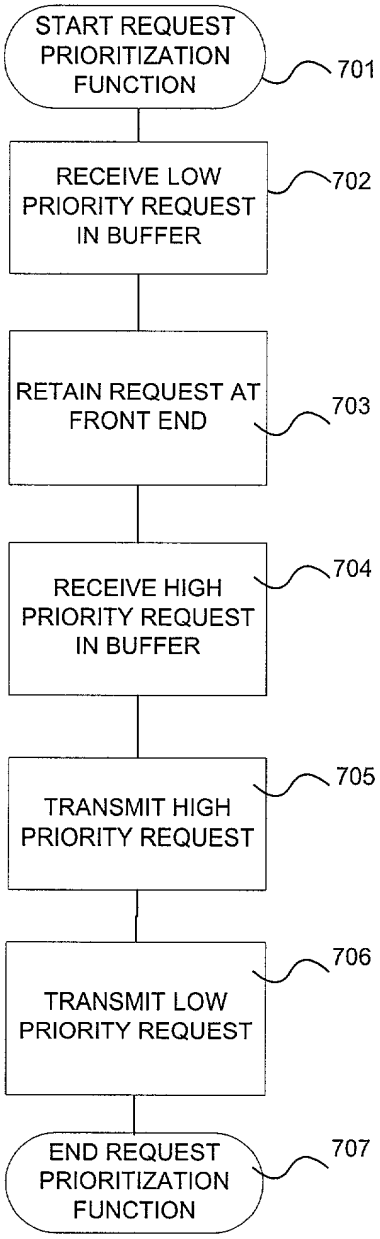
START REQUEST PRIORITIZATION FUNCTION
701
RECEIVE LOW PRIORITY REQUEST IN BUFFER
702
RETAIN REQUEST AT FRONT END
703
RECEIVE HIGH PRIORITY REQUEST IN BUFFER
704
TRANSMIT HIGH PRIORITY REQUEST
705
TRANSMIT LOW PRIORITY REQUEST
706
END REQUEST PRIORITIZATION FUNCTION
707

FIG. 7

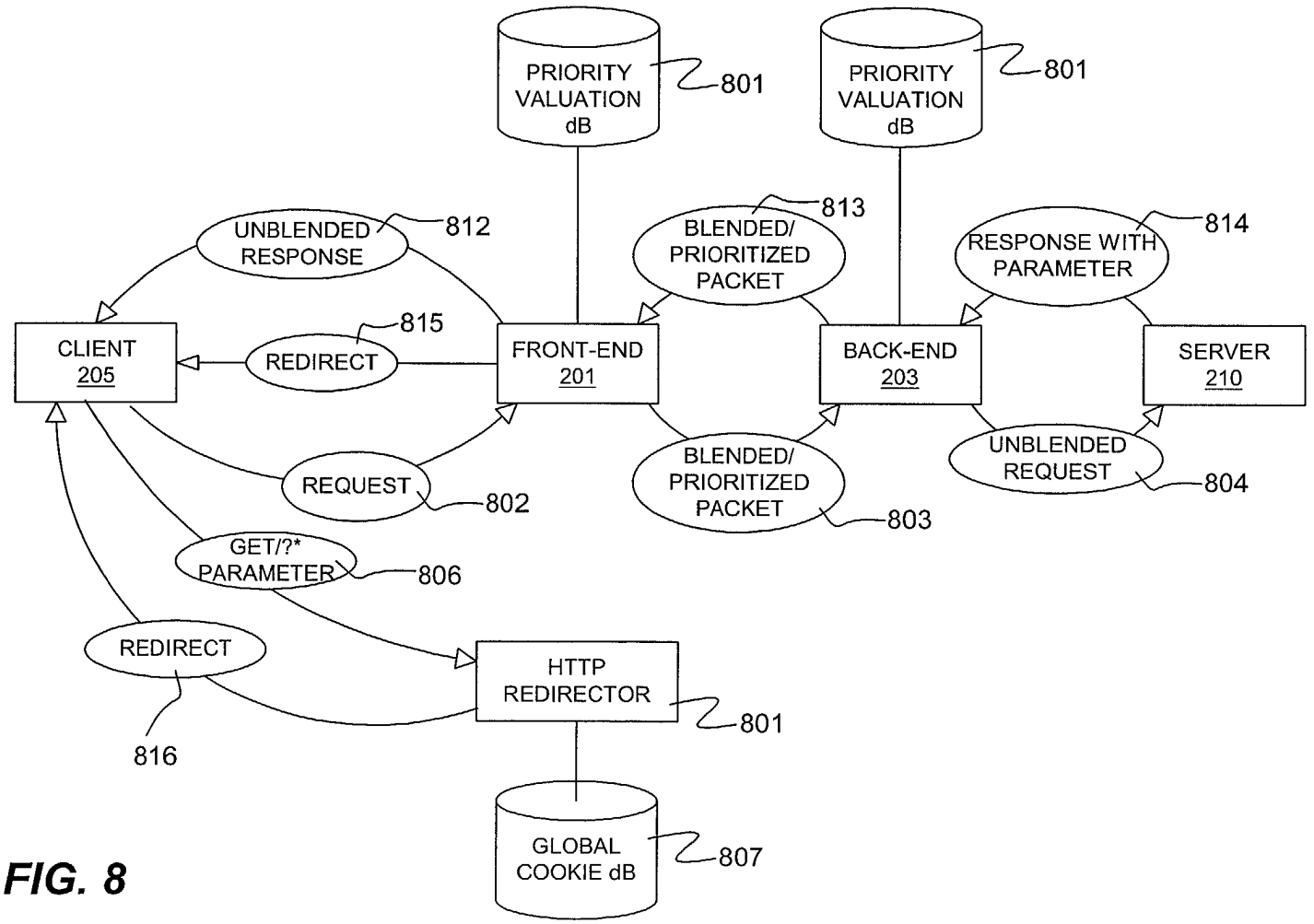
PRIORITY VALUATION dB
801
PRIORITY VALUATION dB
801
UNBLENDED RESPONSE
812
BLENDED/ PRIORITIZED PACKET
813
RESPONSE WITH PARAMETER
814
CLIENT 205
REDIRECT
815
FRONT-END 201
BACK-END 203
SERVER 210
REQUEST
802
BLENDED/ PRIORITIZED PACKET
803
UNBLENDED REQUEST
804
GET/?* PARAMETER
806
REDIRECT
816
HTTP REDIRECTOR
801
GLOBAL COOKIE dB
807

FIG. 8